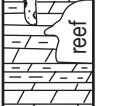
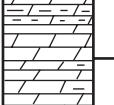
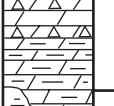
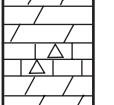
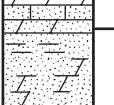
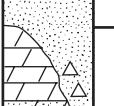
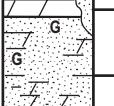


SYSTEM	SERIES	GROUP OR FORMATION	AQUIFER	LOG	THICKNESS (FT)	DESCRIPTION		
QUATER-NARY	PLEISTOCENE		Sands and Gravels		90-235	Unconsolidated glacial deposits-pebbly clay (till), silt, sand and gravel Alluvial silts and sands along streams		
					Fissure Fillings	Shale, sandy, brown to black		
SILURIAN	NIAGARAN	Racine	Silurian		0-180	Dolomite, very pure to argillaceous, silty, cherty; reefs in upper part		
		Sugar Run				Dolomite, slightly argillaceous and silty		
		Jolet				Dolomite, very pure to shaly and shale, dolomitic: white, light gray, green, pink, maroon		
	ALEXANDRIAN	Kankakee			0-90	Dolomite, pure top 1'-2', thin green shale partings, base glauconitic		
		Elwood				Dolomite, slightly argillaceous		
		Wilhelmi				Dolomite, gray, argillaceous, and becomes dolomitic shale at base		
ORDOVICIAN	CINCINNATIAN	Maquoketa			100-240	Shale, red; oolites		
		Galena				Shale, silty, dolomitic, greenish gray, weak (Upper unit)		
		Platteville				Dolomite and limestone, white, light gray, interbedded shale (Middle unit)		
		Glenwood				Shale, dolomitic, brown, gray (Lower unit)		
	CHAMPLAINIAN	St. Peter	Glenwood-St. Peter		270-335	Dolomite, and/or limestone, cherty (Lower part)		
		Galena				Dolomite, shale partings, speckled		
		Platteville				Dolomite and/or limestone, cherty, sandy at base		
		Glenwood						
CAMBRIAN	CROIXAN	St. Peter			165-300	Sandstone, fine and coarse grained; little dolomite; shale at top		
		Eminence	Eminence-Potosi			Sandstone, fine to medium grained; locally cherty red shale at base		
		Potosi						
		Franconia	Franconia			Dolomite, light colored, sandy, thin sandstones		
		Ironton	Ironton-Galesville			Dolomite, fine-grained, gray to brown, drusy quartz		
		Galesville						
		Eau Claire	Eau Claire			40-80		
		Elmhurst Member				Dolomite, sandstone and shale, glauconitic, green to red, micaceous		
		Mt. Simon	Elmhurst-Mt. Simon		100-190	100-190		
			Simon Aquifer			Sandstone, fine to coarse grained, well sorted; upper part dolomitic		
PRE-CAMBRIAN					385-475	Shale and siltstone, dolomitic, glauconitic; sandstone, dolomitic, glauconitic		
					1200-2000	Sandstone, coarse grained, white, red in lower half; lenses of shale and siltstone, red, micaceous		

Source: Dorothy M. Woller and James D. Gibb, Public Groundwater Supplies in Illinois, Illinois State Water Survey, Bulletin. 60-2, 1976.

**FIGURE 2-9**  
**Generalized Column of Rock Stratigraphic Units and Aquifers in Lake County**